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**WO9739754A1: USE OF PROSTAGLANDINS TO TREAT ATAXIA TELANGIECTASIA**[View Images \(34 pages\)](#) | [View Cart](#)**Premium Data 1:** [More choices...](#) (*Retail image not available)**Inventor(s):****PATERSON, Malcolm, C.**, 247 Rhatigan Road West, Edmonton, Alberta T6R 1B2, Canada**Applicant(s):****ALBERTA CANCER BOARD**, 9707 110 Street, Edmonton, ALberta T5K 1H9, Canada**Issued/Filed Dates:****Oct. 30, 1997 / April 18, 1997****Application Number:****WO1997CA0000260****IPC Class:****A61K 031/557;****Priority Number(s):****April 17, 1997 US1997008844531****Designated Countries:****AU, CA, IL, JP, MX, European patent:** AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE**Abstract**

Embodiments of the invention include formulations for the treatment of (AT) ataxia telangiectasia patient and asymptomatic AT heterozygous carriers. The subject formulations comprise one or more different prostaglandins and a pharmaceutically acceptable carrier. Preferably the prostaglandins are group E prostaglandins, prostaglandin E2 being particularly preferred. Other embodiments of the invention include methods of treating AT patients and AT carriers. These methods comprise the steps of administering an effective amount of a prostaglandin containing composition of the invention. Other embodiments of the invention include methods of treating AT patients and carriers with radiotherapy. The methods comprise the steps of administering an effective amount of a prostaglandin containing formulations of the invention and subsequently irradiating the subject with an amount of radiation sufficient to achieve the desired therapeutic effect. Other embodiments of the invention include methods of radioimaging AT patients and AT carriers. The methods comprise the steps of administering an effective amount of a prostaglandin containing formulation of the invention and subsequently irradiating the subject with an amount of radiation to produce a diagnostic image of interest.

[\[Show "fr" Abstract\]](#)**Attorney, Agent, or Firm:****AITKEN, David, W.;****Foreign References:****none**

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